

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/525,449
Source: PC
Date Processed by STIC: 2/7/06

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PCT

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/525,449

TIME: 13:00:53

Input Set : A:\1169034.APP

Output Set: N:\CRF4\02012006\J525449.raw

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3 <110> APPLICANT: POQUET, ISABELLE
4   LLULL, DANIEL
6 <120> TITLE OF INVENTION: ZINC-REGULATED PROKARYOTIC EXPRESSION CASSETTES
8 <130> FILE REFERENCE: 1169-034
10 <140> CURRENT APPLICATION NUMBER: 10/525,449
11 <141> CURRENT FILING DATE: 2005-02-24
13 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02606
14 <151> PRIOR FILING DATE: 2003-08-29
16 <150> PRIOR APPLICATION NUMBER: FR 02 10805
17 <151> PRIOR FILING DATE: 2002-08-30
19 <160> NUMBER OF SEQ ID NOS: 16
21 <170> SOFTWARE: PatentIn Ver. 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 32
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
30   sequence of the pzn bacterial promoter
32 <220> FEATURE:
33 <221> NAME/KEY: modified_base
34 <222> LOCATION: (9)
35 <223> OTHER INFORMATION: a, c, g, or t
37 <220> FEATURE:
38 <221> NAME/KEY: modified_base
39 <222> LOCATION: (12)..(18)
40 <223> OTHER INFORMATION: a, c, g, or t
42 <220> FEATURE:
43 <221> NAME/KEY: -35_signal
44 <222> LOCATION: (19)..(24)
46 <400> SEQUENCE: 1
W--> 47 aaaaataang tnnnnnnntt gacattattt tt 32
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 47
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
57   sequence of the pzn bacterial promoter
59 <220> FEATURE:
60 <221> NAME/KEY: modified_base
61 <222> LOCATION: (9)
62 <223> OTHER INFORMATION: a, c, g, or t

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64 <220> FEATURE:
65 <221> NAME/KEY: modified_base
66 <222> LOCATION: (12)..(18)
67 <223> OTHER INFORMATION: a, c, g, or t
69 <220> FEATURE:
70 <221> NAME/KEY: -35_signal
71 <222> LOCATION: (19)..(24)
73 <220> FEATURE:
74 <221> NAME/KEY: modified_base
75 <222> LOCATION: (33)..(41)
76 <223> OTHER INFORMATION: a, c, g, or t
78 <220> FEATURE:
79 <221> NAME/KEY: -10_signal
80 <222> LOCATION: (42)..(47)
82 <400> SEQUENCE: 2
W--> 83 aaaaataang tnnnnnnntt gacattattt tttnnnnnnnn ntataat 47
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 32
88 <212> TYPE: DNA
89 <213> ORGANISM: Lactococcus lactis
91 <220> FEATURE:
92 <221> NAME/KEY: -35_signal
93 <222> LOCATION: (19)..(24)
95 <400> SEQUENCE: 3
96 aaaaataayg ttaactgggtt gacattattt tt 32
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 56
101 <212> TYPE: DNA
102 <213> ORGANISM: Lactococcus lactis
104 <220> FEATURE:
105 <221> NAME/KEY: -35_signal
106 <222> LOCATION: (19)..(24)
108 <220> FEATURE:
109 <221> NAME/KEY: -10_signal
110 <222> LOCATION: (42)..(47)
112 <400> SEQUENCE: 4
113 aaaaataatg ttaactgggtt gacattattt ttactttgct atataattaa ccagta 56
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 57
118 <212> TYPE: DNA
119 <213> ORGANISM: Lactococcus lactis
121 <220> FEATURE:
122 <221> NAME/KEY: -35_signal
123 <222> LOCATION: (20)..(25)
125 <220> FEATURE:
126 <221> NAME/KEY: -10_signal
127 <222> LOCATION: (43)..(48)
129 <400> SEQUENCE: 5
130 aaaaataaac gttaactggt tgacattatt ttttctttgc tatataatta accagta 57

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133 <210> SEQ ID NO: 6
134 <211> LENGTH: 25
135 <212> TYPE: PRT
136 <213> ORGANISM: Lactococcus lactis
138 <400> SEQUENCE: 6
139 Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
140   1           5           10           15
142 Val Ser Ser Thr Ala Val Val Phe Ala
143       20           25
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 18
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
153     primer
155 <400> SEQUENCE: 7
156 ctaatgagcg ggcttttt                      18
159 <210> SEQ ID NO: 8
160 <211> LENGTH: 35
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
166     primer
168 <400> SEQUENCE: 8
169 gctctagagc gggatccttc atcgaaactc ttcag                      35
172 <210> SEQ ID NO: 9
173 <211> LENGTH: 1100
174 <212> TYPE: DNA
175 <213> ORGANISM: Lactococcus lactis
177 <220> FEATURE:
178 <221> NAME/KEY: -35_signal
179 <222> LOCATION: (295)..(300)
181 <220> FEATURE:
182 <221> NAME/KEY: -10_signal
183 <222> LOCATION: (318)..(323)
185 <220> FEATURE:
186 <221> NAME/KEY: RBS
187 <222> LOCATION: (343)..(348)
189 <220> FEATURE:
190 <221> NAME/KEY: modified_base
191 <222> LOCATION: (362)
192 <223> OTHER INFORMATION: a, c, g, or t
194 <220> FEATURE:
195 <221> NAME/KEY: modified_base
196 <222> LOCATION: (412)
197 <223> OTHER INFORMATION: a, c, g, or t
199 <220> FEATURE:

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200 <221> NAME/KEY: modified_base
201 <222> LOCATION: (445)
202 <223> OTHER INFORMATION: a, c, g, or t
204 <220> FEATURE:
205 <221> NAME/KEY: RBS
206 <222> LOCATION: (780)..(786)
208 <400> SEQUENCE: 9
209 cacaggaaac agctatgacc atgattacgc caagctcgaa attaacccctc actaaagggga 60
210 acaaaaagctg ggtaccgggc cccccctcga ggtcgacggt atcgatagcc cgcctaataga 120
211 gcgggctttt ttttgatata gaattaccgc ggaattcaga tctttgatca aggatctgtc 180
212 agctgggtca actagcgggtg gtcaaaactgt tagtaataaa acttattgtt ttgatgttcg 240
213 gcttaaggat ggaaggattt ttcaaataaa aaagtaaaaa ataattgtta ctggttgaca 300
214 ttattttttac tttgctatat aattaaccag taaactaatt atggaggaca aaatactatg 360
W--> 215 anttttagcaa atcaaatcga ccagttttctt ggggcaatta tgcagtttgc anaaaacaag 420
216 catgaaatat tactcggcga atgcnaaagt aatgttaagc taacaagcac gcaagaacat 480
217 atcttaataga ttctagctgc agagggtttcg acaaacgcga gaattgccga gcaactcaag 540
218 atttcgccag cagcggtaac taaagctctc aaaaaattac aagagcaaga actgattaaa 600
219 tcaagtcggg caacaaatga cgaacgcgta gtcctttgga gcctgacaga aaaagcaatt 660
220 ccagttgcta aagaacatgc tgctcatcat gagaaaactc taagtaccta ccaagaatta 720
221 ggagacaaat ttactgacga agaacaaaaa gtgataagtc aattcttatc agtacttacg 780
222 gaggagtttc gatgaagaaa atattgatgt tatttgctat tccggcagtt ttacttcttg 840
223 ctggttgcta aaaaacagca gacaaaccag aagttgtgac aacttttgag ccgatgtatg 900
224 aatttacgaa agcgattgtt ggagataagg ttaaaattga aaatattgtt cgggcgaatc 960
225 aagaagttca cgaatttgaa ccgagtgcc aacgaaaaa aatggtagaa aatgcaaaga 1020
226 aaattgaagt cgagtttgac aaaggtcaaa gaactgataa atatggacgt ggcttagcgt 1080
227 atatttatgc tgatggaaaa                                     1100
230 <210> SEQ ID NO: 10
231 <211> LENGTH: 160
232 <212> TYPE: DNA
233 <213> ORGANISM: Lactococcus lactis
235 <220> FEATURE:
236 <221> NAME/KEY: -35_signal
237 <222> LOCATION: (123)..(128)
239 <220> FEATURE:
240 <221> NAME/KEY: -10_signal
241 <222> LOCATION: (146)..(151)
243 <400> SEQUENCE: 10
244 gatctgtcag ctggttcaac tagcgggtggt caaactgtta gtaataaaac ttattgtttt 60
245 gatgttcggc ttaaggatgg aaggattttt caaataaaaa agtaaaaaat aatgtttaact 120
246 ggttgacatt atttttactt tgctatataa ttaaccagta                                     160
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 18
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
256     primer
258 <400> SEQUENCE: 11
259 caggaaacag ctatgacc

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Input Set : A:\1169034.APP

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262 <210> SEQ ID NO: 12
263 <211> LENGTH: 27
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
269     primer
271 <400> SEQUENCE: 12
272 gttctaagga tccattaact taaggag                                27
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 33
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
282     primer
284 <400> SEQUENCE: 13
285 tttgtgatgc atatgcaaatacaacggctg ttg                        33
288 <210> SEQ ID NO: 14
289 <211> LENGTH: 27
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
295     peptide
297 <400> SEQUENCE: 14
298 Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
299   1           5           10           15
301 Val Ser Ser Thr Ala Val Val Phe Ala Tyr Ala
302           20           25
305 <210> SEQ ID NO: 15
306 <211> LENGTH: 27
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
312     primer
314 <400> SEQUENCE: 15
315 cgcggtatcct ttgaaaggat attcctc                                27
318 <210> SEQ ID NO: 16
319 <211> LENGTH: 28
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
325     primer
327 <400> SEQUENCE: 16
328 cctacgtatt agaaatgaat gttaaagc                                28

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RAW SEQUENCE LISTING ERROR SUMMARY

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. ~~9,12,13,14,15,16,17,18~~Seq#:2; N Pos. ~~9,12,13,14,15,16,17,18,33,34,35,36,37,38,39,40,41~~Seq#:9; N Pos. ~~362,412,445~~

VERIFICATION SUMMARY

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Input Set : A:\1169034.APP

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L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360
M:341 Repeated in SeqNo=9